

## EXHAUST MUFFLER FOR ENGINE

Patent number: JP4081507

Publication date: 1992-03-16

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Classification:

- International: B63H11/00; B63H21/32; F01N1/08; F01N1/10;  
B63H11/00; B63H21/32; F01N1/08; (IPC1-7):  
B63H11/00; B63H21/32; F01N1/08

- european:

Application number: JP19900193217 19900720

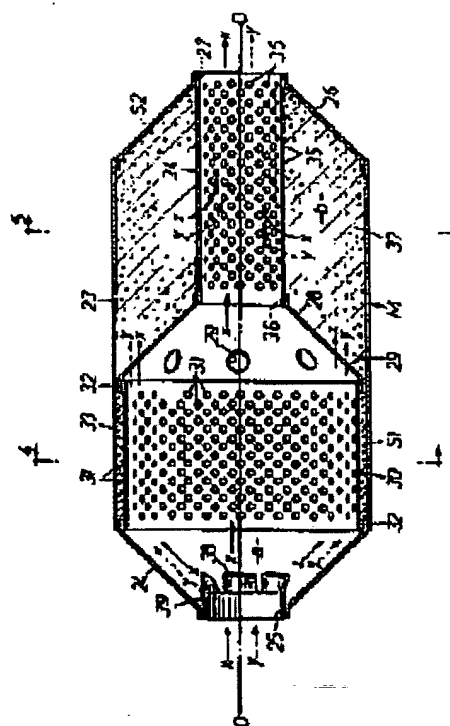
Priority number(s): JP19900193217 19900720

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### Abstract of JP4081507

**PURPOSE:** To prevent certainly reduction in output of an engine and generation of trouble upon start-up by setting that exhaust gas is led out from the center part of a rear cover through an expansion chamber and a resonance chamber while flowing it vortically with spontaneity by a guide vane.

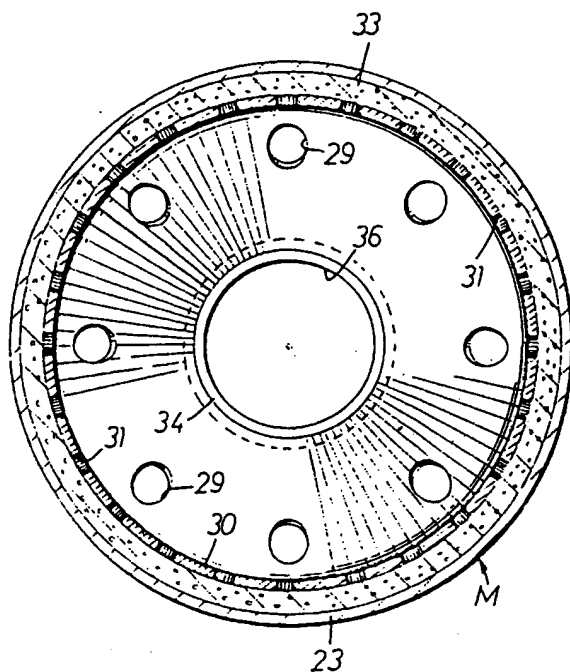
**CONSTITUTION:** A guide vane 38 for generating vortex flow is provided additionally on the leading inlet 25 of a front cover 24. Exhaust gas entering from the leading inlet 25 into an expansion chamber (a), is dispersed spiral turningly, and heavy cooling water contained in exhaust gas is made flow away and divided by the spiral centrifugal force. On the other hand, exhaust gas flows straight and speedily from the expansion chamber (a) toward the second inner cylinder 34 of a resonance chamber (b), by the same negative pressure action in the turning center. It is thus possible to prevent effectively generation of metallic noise occurring when a partition cover 28 is battered by exhaust gas.



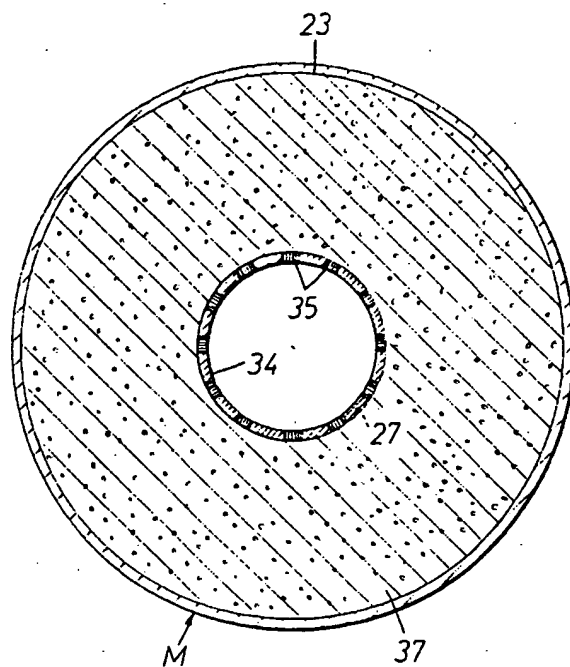
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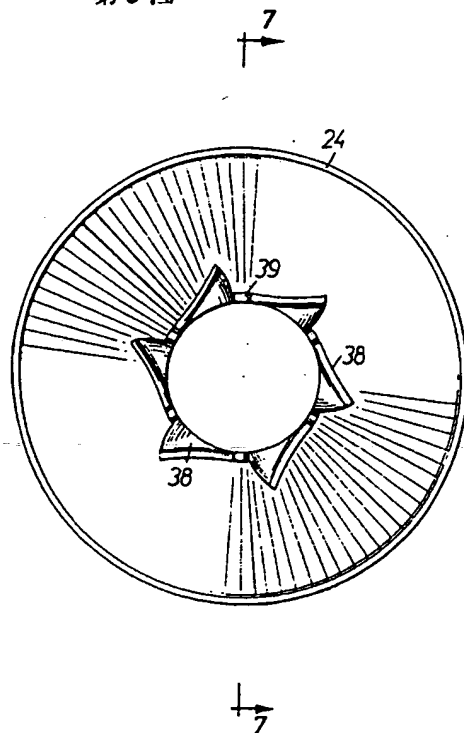
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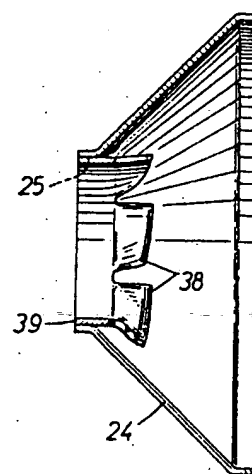
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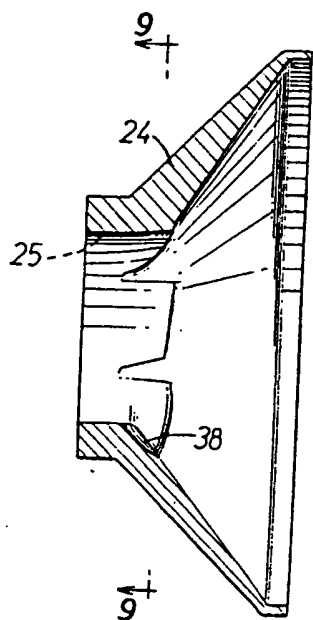
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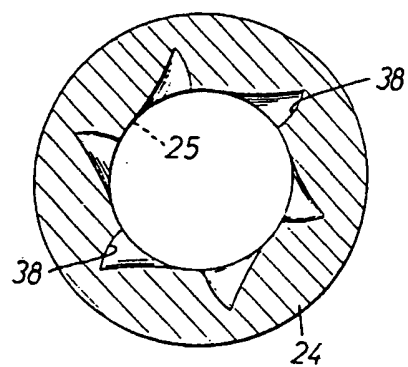
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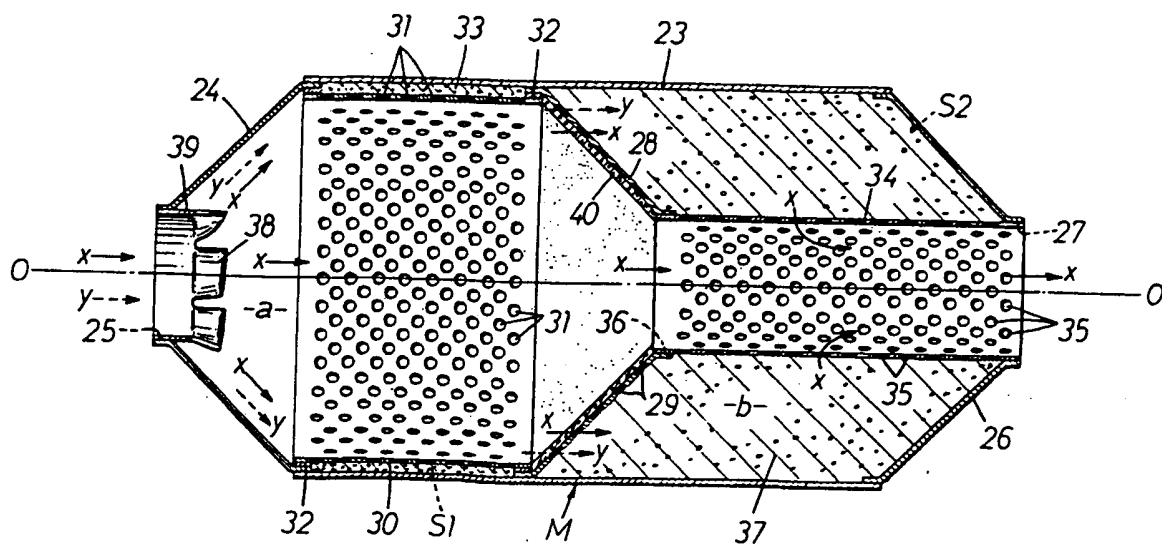
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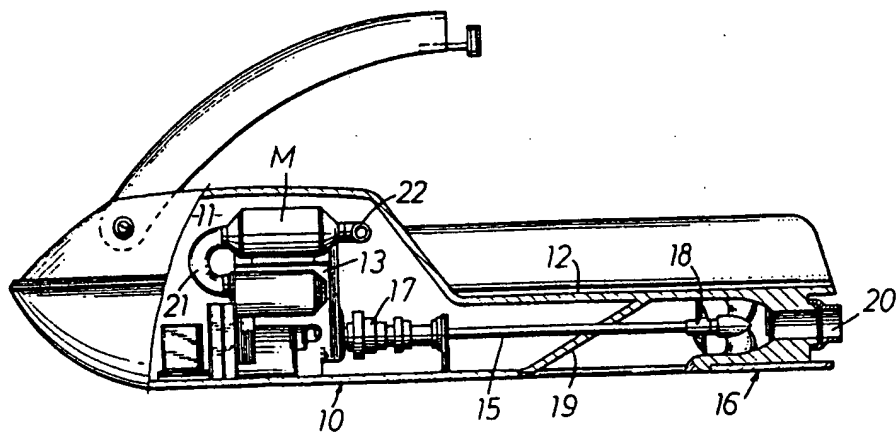
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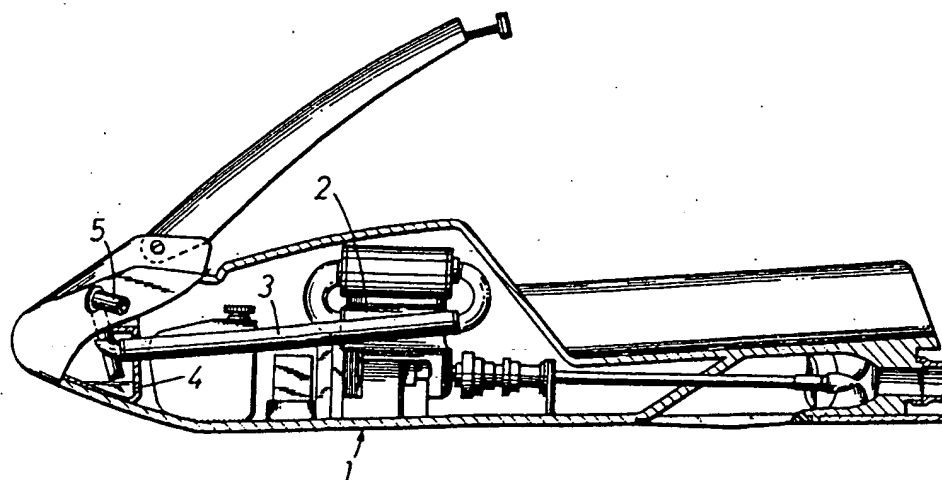
第10圖



第11図



第12図



第10區

